Giuseppe Izzo

List of Publications by Year
in descending order

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32	397	623734	752698
papers	citations	14	20
		h-index	g-index

32	32	32	178
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Global dynamics of difference equations for SIR epidemic models with a class of nonlinear incidence rates. Journal of Difference Equations and Applications, 2012, 18, 1163-1181.	1.1	49
2	Highly stable implicitâ€“explicit Rungeâ€“Kutta methods. Applied Numerical Mathematics, 2017, 113, 71-92.	2.1	41
3	A discrete time version for models of population dynamics in the presence of an infection. Journal of Computational and Applied Mathematics, 2007, 210, 210-221.	2.0	33
4	Strong Stability Preserving General Linear Methods. Journal of Scientific Computing, 2015, 65, 271-298.	2.3	25
5	Permanence and global stability of a class of discrete epidemic models. Nonlinear Analysis: Real World Applications, 2011, 12, 2105-2117.	1.7	24
6	Accurate Implicitâ€“Explicit General Linear Methods with Inherent Rungeâ€“Kutta Stability. Journal of Scientific Computing, 2017, 70, 1105-1143.	2.3	22
7	Search for highly stable two-step Rungeâ€“Kutta methods. Applied Numerical Mathematics, 2012, 62, 1361-1379.	2.1	19
8	Strong Stability Preserving General Linear Methods with Rungeâ€“Kutta Stability. Journal of Scientific Computing, 2018, 76, 943-968.	2.3	19
9	A General Discrete Time Model of Population Dynamics in the Presence of an Infection. Discrete Dynamics in Nature and Society, 2009, 2009, 1-15.	0.9	18
10	Natural Volterra Runge-Kutta methods. Numerical Algorithms, 2014, 65, 421-445.	1.9	18
11	General linear methods for Volterra integral equations. Journal of Computational and Applied Mathematics, 2010, 234, 2768-2782.	2.0	16
12	STRONG STABILITY PRESERVING MULTISTAGE INTEGRATION METHODS. Mathematical Modelling and Analysis, 2015, 20, 552-577.	1.5	15
13	Starting procedures for general linear methods. Applied Numerical Mathematics, 2017, 120, 165-175.	2.1	14
14	Strong stability preserving transformed DIMSIMs. Journal of Computational and Applied Mathematics, 2018, 343, 174-188.	2.0	14
15	Highly stable Rungeâ€“Kutta methods for Volterra integral equations. Applied Numerical Mathematics, 2012, 62, 1002-1013.	2.1	13
16	Perturbed MEBDF methods. Computers and Mathematics With Applications, 2012, 63, 851-861.	2.7	8
17	Construction of algebraically stable DIMSIMs. Journal of Computational and Applied Mathematics, 2014, 261, 72-84.	2.0	8
18	Transformed implicit-explicit DIMSIMs with strong stability preserving explicit part. Numerical Algorithms, 2019, 81, 1343-1359.	1.9	8

#	Article	IF	Citations
19	Generalized linear multistep methods for ordinary differential equations. Applied Numerical Mathematics, 2017, 114, 165-178.	2.1	6
20	Strong stability preserving implicitâ€“explicit transformed general linear methods. Mathematics and Computers in Simulation, 2020, 176, 206-225.	4.4	5
21	Global error estimation for explicit general linear methods. Numerical Algorithms, 0, , 1.	1.9	5
22	Highly Stable General Linear Methods for Differential Systems. , 2009, , .		3
23	Stability of Numerical Solutions for Abelâ€“Volterra Integral Equations of the Second Kind. Mediterranean Journal of Mathematics, 2018, 15, 1.	0.8	3
24	Global error estimation for explicit second derivative general linear methods. Numerical Algorithms, 0, , 1.	1.9	3
25	Simulating the effect of vaccine-induced immune responses on HIV infection. Human Immunology, 2003, 64, 840-851.	2.4	2
26	Construction of SDIRK methods with dispersive stability functions. Applied Numerical Mathematics, 2021, 160, 265-280.	2.1	2
27	Construction of strong stability preserving general linear methods. AIP Conference Proceedings, 2015, , .	0.4	1
28	A new class of strong stability preserving general linear methods. Journal of Computational and Applied Mathematics, 2021, 396, 113612.	2.0	1
29	Strong Stability Preserving IMEX Methods for Partitioned Systems of Differential Equations. Communications on Applied Mathematics and Computation, 2021, 3, 719-758.	1.7	1
30	Construction of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si22.svg"><mml:mi>G</mml:mi></mml:math>- or <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si23.svg"><mml:mrow><mml:mi>G</mml:mi><mml:mo>(</mml:mo><mml:mi>Ïµ</mml:mi><mml:mo>)</mml:mo></mml:mrow general linear methods. Applied Mathematics and Computation, 2022, 431, 127204.	2.2	1
31	Construction of IMEX methods with inherent Runge-Kutta stability. AIP Conference Proceedings, 2016, , .	0.4	0
32	Preface to Focused Section on Efficient High-Order Time Discretization Methods for Partial Differential Equations. Communications on Applied Mathematics and Computation, 2021, 3, 605-605.	1.7	0